

**Tenth International Conference  
METHODS AND APPLICATIONS OF  
RADIOANALYTICAL CHEMISTRY**

**FIRST CALL FOR PAPERS**

Abstracts of papers to be presented at the conference are solicited at this time. An up-to-date list of session organizers is available on the MARC X website listed below. If you are interested in submitting a paper to one of the special topic sessions, please contact the organizer before submitting your abstract. All abstracts must be submitted to the Program Chair as described on the web site. Full details on preparation of 200-word abstracts and details on how to submit the abstracts can be found on the conference website.

**TENTATIVE TIMELINES**

Abstracts due: December 1, 2014  
Notification to authors: January 15, 2015  
Preliminary program: February 15, 2015  
Draft Papers Due: At conference

**CONTACT PERSONS**

Questions concerning the scope and organization of the conference should be addressed to the General Chair:

Stephen P. LaMont, Los Alamos National Laboratory  
Tel: (505) 231-4354  
E-mail: [lamont@lanl.gov](mailto:lamont@lanl.gov)

Information on the scientific program of the conference can be obtained from the Program Chair:

Samuel E. Glover, NIOSH  
Tel: (513) 609-2920  
E-mail: [sam.glover@uc.edu](mailto:sam.glover@uc.edu)

**CONFERENCE WEBSITE:**

<http://www.marconference.org/>

**April 12-17, 2015  
Kailua-Kona, Hawaii, USA**

**PROGRAM COMMITTEE**

**GENERAL CHAIR**

Stephen LaMont, Los Alamos National Laboratory

**TECHNICAL PROGRAM CHAIR**

Sam Glover, NIOSH

**ASSISTANT PROGRAM CHAIRS**

Ned Wogman, Pacific Northwest National Laboratory

Lei Cao, Ohio State University

Steven Biegalski, University of Texas

Ken Inn, National Institute of Standards and Technology

Heather Dion, Los Alamos National Laboratory

Matthew Douglas, Pacific Northwest National Laboratory

**PUBLICITY CHAIR**

Harry S. Miley, Pacific Northwest National Laboratory

**ASSISTANT PUBLICITY CHAIRS**

Robert Runkle, Pacific Northwest National Laboratory

**FINANCE AND HOUSING CHAIR**

James T. Tanner, Food Research, Inc

**ASSISTANT FINANCE AND HOUSING CHAIR**

Rob Steiner, Los Alamos National Laboratory

**PUBLICATIONS AND PROCEEDINGS CHAIRS**

Sam and Sherry Glover

**AMERICAN NUCLEAR SOCIETY, NORTHERN  
CALIFORNIA SECTION REPRESENTATIVE**

Annie Kersting, Lawrence Livermore National Laboratory

**CONFERENCE SECRETARY**

Patti Wilson, Washington State University

**IT SUPPORT**

Joe Sullivan, Los Alamos National Laboratory

**WEB DESIGN**

Dann Glover

**TECHNICAL PROGRAM COMMITTEE**

A complete list of the technical program committee can be found on the conference web site.

<http://www.marconference.org/technical-committee/>



**April 12-17, 2015**

**Kailua-Kona, Hawaii, USA**

## ABOUT THE CONFERENCE

---

The conference will continue the tradition set by the nine previous MARC conferences by focusing on emerging developments in radioanalytical chemistry, with particular emphasis on new applications. These conferences have grown to become a major international forum for the field of radioanalytical chemistry. The scope of the conference includes, but is not limited to, techniques such as instrumental and radiochemical activation analysis; nuclear track analysis; radionuclide production; radiochemical separation methods; alpha, beta, gamma, x-ray and other nuclear spectrometries; *in situ* and remote sensing; radiochemical tracer methods, and mass spectrometry methods for the measurement of radionuclides. Applications of radioanalytical methods to environmental studies, environmental radioactivity including the actinide elements and radon, radioactivity in the ocean, biomedical, bioassay and clinical problems, geochemical, materials and energy sciences, nuclear fuel cycle and nuclear waste characterization, safeguards, nuclear forensics, treaty monitoring, and non-proliferation studies are some of the topics presented at previous MARC conferences.

The objective of the MARC conferences is to promote a broad exchange of information on radioanalytical chemistry among scientists from participating countries. The MARC IX conference attracted participants from more than 35 countries who benefited from the informal nature of the conference and the locale. The central geographic location of Hawaii encourages participation and attendance of scientists from Pacific Rim countries as well as providing European scientists with easy accessibility via major US airports. The isolated nature of Kailua-Kona on the Island of Hawaii provides an excellent atmosphere for informal discussions and working groups among the anticipated 275-300 attending scientists and also provides excellent recreational facilities for participating guests.

The conference will include both oral and poster sessions grouped around specific topics. Poster sessions will be organized around specific themes, similar, or in addition, to those included in the oral sessions. Continuing the policy of previous MARC conferences, high-quality research presented at the conference may be submitted to the Program Chair for peer review and publication in serial volumes of *The Journal of Radioanalytical and Nuclear Chemistry*. Titles of these papers (as well as those of other MARC conferences) can be viewed at the MARC web site. The previous four conferences were the venue for the presentation of the Hevesy Medal, which is awarded to individuals who have made outstanding contributions to the fields of radiochemistry or radioanalytical chemistry, and MARC X has requested to again have the honor to present this award.

## TENTATIVE TOPICS

---

The following topics are not exclusive and the organizers welcome papers in any area of fundamental or applied radioanalytical chemistry. A partial listing of topics includes:

### General Call for Papers

### Applications of Nuclear Techniques to National Security and Treaty Monitoring

### Ultra-sensitive Mass Spectrometric and Radiometric Methods Applied to Environmental Problems

### Application of Natural and Anthropogenic Radionuclides in Ocean Studies

### Reference Materials for Nuclear Mass Spectrometry

### Quality Assurance Topics in Radioanalytical Chemistry

### Advances in Actinide Analytical and Radionuclear Chemistry

### Analytical Chemistry in Support of the Fuel Cycle

### Actinide Mass Spectrometry Techniques and Applications

### Speciation Studies of Radionuclides in the Environment

### Activation Analysis for Nuclear Materials

### Environmental Radioactivity

### The National Nuclear Forensics Expertise Development Program: Graduate, Post-Doctoral, and University Research and Education Efforts

### Nuclear Forensics

### Instrumental, Preconcentration, Radiochemical and Speciation Activation Analysis

### Instrumentation and Software for Nuclear Spectrometry

A comprehensive list of special topics and organizers is located on the conference website

## CONFERENCE WEB SITE

---

The conference web site address is:

<http://www.marcconference.org/>

Most information about the conference will be distributed through the web site and by e-mail. The web site will be updated periodically as new information is published.

## CONFERENCE LOCATION

---

The conference will be held at the Sheraton Kona at Keauhou Bay Hotel (the same hotel where MARC VIII and IX were held) in Kailua-Kona, Hawaii. Kailua-Kona is on the beautiful Island of Hawaii and provides an excellent atmosphere for informal discussions and working groups among the anticipated 275-325 attending scientists.

## REGISTRATION

---

A registration fee will be charged to all attendees to help defray the costs of the conference. The fee will include all official conference functions and a copy of the published proceedings. Please see the website for more information.

## HOUSING

---

The Sheraton Kona at Keauhou Bay Hotel is designated as the official headquarters hotel and attractive discounted rates will be offered to the attendees. Please make reservations early at the headquarters hotel to assist the organizers with maintaining low registration fees. Please see the web site for more information.

## SOCIAL AND GUEST PROGRAM

---

A social program is planned to provide an opportunity for informal contacts and discussions among the participants. Activities for guests on the Big Island of Hawaii and the other Hawaiian islands are many and will be offered through local agents. See the web site for links to information on Hawaii.